

Notice of Allowability

Application No.

10/621,794

Examiner

Techane J. Gergiso

Applicant(s)

SUNDARARAJAN ET AL.

Art Unit

2137

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 04/18/2007.
2. ☒ The allowed claim(s) is/are 1-3, 6-16 and 19-28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Michael R. Barre (Reg. No.: 44,023) on June 13, 2007.

The application has been amended as follows:

Claim 5 has been **canceled**.

Claim 18 has been **canceled**.

Reason for allowance

3. After reconsideration of the applicant's remark filed on August April 18, 2007, further search and through examination of the present application, claims 1-3, 6-16 and 19-28 are found to be in condition for allowance over prior arts of record.
4. The following is an examiner's statement of reasons for allowance:

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The prior art used for rejection include Jilali (US Pat. No.: 6,209,104), which discloses a secure data entry and visual authentication system that allows a user to securely input and communicate data, including passwords. The system includes a client, a server and communication subsystems. The server generates a pseudorandomly arranged display image with a plurality of icons associated with data, and transmits said display image to client for display. A user consecutively selects one icon corresponding to data desired to be input. Selected icon location information for those selected icons is communicated by client to server, which then compares that selected icon location information to icon location information to ascertain the data input by the user.

The second prior art Narayanawami (US Pat.: 6,720,860), discloses a wearable mobile computing device like a wristwatch with a high-resolution display that is capable of wirelessly accessing information from the network and a variety of other devices. The Wrist Watch device includes a password authentication system for enabling access to secured data stored therein. The authentication system includes a user interface display having a touch sensitive panel for detecting physical user interaction therewith and generating signals accordingly. The Wrist Watch device generates a sequence of one or more images for display via the user interface, the images of a sequence including that users' password elements which are flashed randomly at different interface display locations and varied temporally. A processor device receives signals generated in accordance with user interaction with the touch sensitive panel at locations corresponding to the locations of a flashed image of the sequence that matches each element of the user password in order to provide verification of the password when all elements of the password have been detected.

The third prior art De Jong (US Pub. No.: 2003/0229791) includes a private personal identification number (PIN) management ascertaining a first delay period of a preceding PIN. The first delay period is greater than zero if the preceding PIN does not match a validated PIN and the first delay period equals zero if the preceding PIN matches the validated PIN. The method also includes receiving a current PIN after at least the first delay period and delaying for a second delay period if the current PIN does not match the validated PIN. The second delay period is greater than the first delay period.

The claimed invention is directed to method and system of using a portable computing device to authenticate a user to use an un-trusted computing system to access user data on the portable computing device. The portable computing device generates a temporary password for controlling access to user data on the portable computing device, and sends the temporary password to a peripheral device coupled to the portable computing device to be perceived by the user. The un-trusted computing system receives a user-inputted password, and then sends the user-inputted password from the un-trusted computing system to the portable computing device. The portable computing device then performs additional operations, including determining whether the user-inputted password matches the temporary password and allowing the user to access user data on the portable computing device via the un-trusted computing system in response to a determination that the temporary password matches the user-inputted password.

Therefore, the prior arts in record, either alone or in combination does not teach a user inputting a one time temporary password in less than one minute at the untrusted computing device to access a secure data at the portable computing device, where the one time temporary

password is generated and displayed for the user at the portable computing device which is coupled to the untrusted computing device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

See the notice of reference cited in form PTO-892 for additional prior art.

Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Techane J. Gergiso whose telephone number is (571) 272-3784 and fax number is ~~(571) 273-3784~~. The examiner can normally be reached on 9:00am - 6:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Techane Gergiso

Patent Examiner

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June 15, 2007


EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER